



CONCRETE THRUST BLOCK SCHEDULE

(BEARING AREA OF THRUST BLOCKS IN SQUARE FEET)

FITTING SIZE (INCHES)	90°BEND, TEE, OR PLUGGED CROSS	45° BEND	22 1/2° BEND	11 1/4° BEND
4	01.9	01.3	--	--
6	04.0	02.1	01.3	--
8	07.1	03.9	02.0	01.3
12	16.0	08.8	04.5	02.3
16	28.4	15.5	08.0	04.0
24	64.0	34.9	18.1	09.1

ABOVE BEARING AREAS BASED ON TEST PRESSURE OF 150 P.S.I. AND AN ALLOWABLE SOIL BEARING STRENGTH OF 1500 POUND PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION

$$\text{BEARING AREAS} = (\text{TEST PRESSURE}/150) \times (1500/\text{SOIL BEARING STRESS}) \times (\text{TABLE VALUE})$$

NOTES:

1. STRADDLE BLOCKS REQUIRED WHERE LINES MAY BE EXTENDED IN FUTURE
SEE DETAIL NO. 561
2. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
3. KEEP CONCRETE CLEAR OF JOINT AND ACCESSORIES.
4. THE REQUIRED THRUST BEARING AREAS FOR SPECIAL CONNECTIONS ARE SHOWN ENCIRCLED ON THE PLANS : e.g. 15 INDICATES 15 SQUARE FEET BEARING AREA REQUIRED.
5. IF NOT SHOWN ON PLANS, REQUIRED BEARING AREAS AT FITTING SHALL BE AS INDICATED ABOVE, ADJUST IF NECESSARY, TO CONFORM TO THE TEST PRESSURE(S) AND ALLOWABLE SOIL BEARING STRESS(ES) STATED IN THE SPECIAL PROVISIONS.
6. BEARING AREAS AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER BEARING AREAS AND BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL. BEARING AREA OF THRUST BLOCKS ARE IN SQUARE FEET.



ENGINEERING DEPARTMENT
13125 S.W. HALL BLVD.
TIGARD, OREGON 97223
VOICE: (503) 639-4171
FAX: (503) 684-7297

APPROVED BY:
AGUSTIN P. DUENAS

CITY ENGINEER

MARCH 1998

APPROVAL DATE

**STANDARD THRUST
BLOCK**

NO SCALE

DWG. NO.

560